

B-B Zhang

List of Publications by Year in descending order

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602
papers

35,942
citations

2538

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611
times ranked

9048
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Processes Shaping Gamma-Ray Burst X-Ray Afterglow Light Curves: Theoretical Implications from the Swift X-Ray Telescope Observations. <i>Astrophysical Journal</i> , 2006, 642, 354-370.	1.6	829
2	The physics of gamma-ray bursts & relativistic jets. <i>Physics Reports</i> , 2015, 561, 1-109.	10.3	682
3	GAMMA-RAY BURSTS: PROGRESS, PROBLEMS & PROSPECTS. <i>International Journal of Modern Physics A</i> , 2004, 19, 2385-2472.	0.5	657
4	The association of GRB 060218 with a supernova and the evolution of the shock wave. <i>Nature</i> , 2006, 442, 1008-1010.	13.7	635
5	THE INTERNAL-COLLISION-INDUCED MAGNETIC RECONNECTION AND TURBULENCE (ICMART) MODEL OF GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2011, 726, 90.	1.6	587
6	Gamma-Ray Burst Afterglow with Continuous Energy Injection: Signature of a Highly Magnetized Millisecond Pulsar. <i>Astrophysical Journal</i> , 2001, 552, L35-L38.	1.6	547
7	A short $\hat{\Gamma}^3$ -ray burst apparently associated with an elliptical galaxy at redshift $z = 0.225$. <i>Nature</i> , 2005, 437, 851-854.	13.7	515
8	Bright X-ray Flares in Gamma-Ray Burst Afterglows. <i>Science</i> , 2005, 309, 1833-1835.	6.0	460
9	Broadband observations of the naked-eye $\hat{\Gamma}^3$ -ray burst GRB 080319B. <i>Nature</i> , 2008, 455, 183-188.	13.7	449
10	Relativistic jet activity from the tidal disruption of a star by a massive black hole. <i>Nature</i> , 2011, 476, 421-424.	13.7	442
11	The Early X-Ray Emission from GRBs. <i>Astrophysical Journal</i> , 2006, 647, 1213-1237.	1.6	354
12	DISCERNING THE PHYSICAL ORIGINS OF COSMOLOGICAL GAMMA-RAY BURSTS BASED ON MULTIPLE OBSERVATIONAL CRITERIA: THE CASES OF $z = 6.7$ GRB 080913, $z = 8.2$ GRB 090423, AND SOME SHORT/HARD GRBs. <i>Astrophysical Journal</i> , 2009, 703, 1696-1724.	1.6	307
13	X-ray Flares from Postmerger Millisecond Pulsars. <i>Science</i> , 2006, 311, 1127-1129.	6.0	295
14	An origin for short $\hat{\Gamma}^3$ -ray bursts unassociated with current star formation. <i>Nature</i> , 2005, 438, 994-996.	13.7	287
15	Gamma-Ray Bursts in the Swift Era. <i>Research in Astronomy and Astrophysics</i> , 2007, 7, 1-50.	1.1	278
16	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 $\hat{\Gamma}^3$ -ray Galactic sources. <i>Nature</i> , 2021, 594, 33-36.	13.7	262
17	THE AFTERGLOWS OF SWIFT-ERA GAMMA-RAY BURSTS. I. COMPARING PRE-SWIFT AND SWIFT-ERA LONG/SOFT (TYPE II) GRB OPTICAL AFTERGLOWS. <i>Astrophysical Journal</i> , 2010, 720, 1513-1558.	1.6	253
18	Gamma-Ray Burst Beaming: A Universal Configuration with a Standard Energy Reservoir?. <i>Astrophysical Journal</i> , 2002, 571, 876-879.	1.6	251

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19	Gamma-Ray Burst Early Optical Afterglows: Implications for the Initial Lorentz Factor and the Central Engine. <i>Astrophysical Journal</i> , 2003, 595, 950-954.	1.6	247
20	FERMI GBM OBSERVATIONS OF LIGO GRAVITATIONAL-WAVE EVENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 826, L6.	3.0	246
21	Low-Luminosity Gamma-Ray Bursts as a Unique Population: Luminosity Function, Local Rate, and Beaming Factor. <i>Astrophysical Journal</i> , 2007, 662, 1111-1118.	1.6	243
22	JET BREAKS AND ENERGETICS OF <i>Swift</i> GAMMA-RAY BURST X-RAY AFTERGLOWS. <i>Astrophysical Journal</i> , 2009, 698, 43-74.	1.6	239
23	<i>Swift</i> Observations of GRB 070110: An Extraordinary X-Ray Afterglow Powered by the Central Engine. <i>Astrophysical Journal</i> , 2007, 665, 599-607.	1.6	237
24	An unexpectedly rapid decline in the X-ray afterglow emission of long γ -ray bursts. <i>Nature</i> , 2005, 436, 985-988.	13.7	232
25	Testing the Standard Fireball Model of Gamma-Ray Bursts Using Late X-Ray Afterglows Measured by <i>Swift</i> . <i>Astrophysical Journal</i> , 2007, 662, 1093-1110.	1.6	230
26	Model-independent Multivariable Gamma-Ray Burst Luminosity Indicator and Its Possible Cosmological Implications. <i>Astrophysical Journal</i> , 2005, 633, 611-623.	1.6	227
27	GRB Radiative Efficiencies Derived from the <i>Swift</i> Data: GRBs versus XRFs, Long versus Short. <i>Astrophysical Journal</i> , 2007, 655, 989-1001.	1.6	221
28	A Comprehensive Analysis of <i>Swift</i> XRT Data. II. Diverse Physical Origins of the Shallow Decay Segment. <i>Astrophysical Journal</i> , 2007, 670, 565-583.	1.6	217
29	A POSSIBLE CONNECTION BETWEEN FAST RADIO BURSTS AND GAMMA-RAY BURSTS. <i>Astrophysical Journal Letters</i> , 2014, 780, L21.	3.0	216
30	An Analysis of Gamma-Ray Burst Spectral Break Models. <i>Astrophysical Journal</i> , 2002, 581, 1236-1247.	1.6	212
31	Flares in Long and Short Gamma-Ray Bursts: A Common Origin in a Hyperaccreting Accretion Disk. <i>Astrophysical Journal</i> , 2006, 636, L29-L32.	1.6	208
32	IDENTIFICATION AND PROPERTIES OF THE PHOTOSPHERIC EMISSION IN GRB090902B. <i>Astrophysical Journal Letters</i> , 2010, 709, L172-L177.	3.0	207
33	Panchromatic study of GRB 060124: from precursor to afterglow. <i>Astronomy and Astrophysics</i> , 2006, 456, 917-927.	2.1	204
34	Gamma-Ray Burst Early Afterglows: Reverse Shock Emission from an Arbitrarily Magnetized Ejecta. <i>Astrophysical Journal</i> , 2005, 628, 315-334.	1.6	203
35	A COMPREHENSIVE ANALYSIS OF <i>FERMI</i> GAMMA-RAY BURST DATA. I. SPECTRAL COMPONENTS AND THE POSSIBLE PHYSICAL ORIGINS OF LAT/GBM GRBs. <i>Astrophysical Journal</i> , 2011, 730, 141.	1.6	202
36	The First Survey of X-Ray Flares from Gamma-Ray Bursts Observed by <i>Swift</i> : Temporal Properties and Morphology. <i>Astrophysical Journal</i> , 2007, 671, 1903-1920.	1.6	202

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37	THE SECOND <i>SWIFT</i> BURST ALERT TELESCOPE GAMMA-RAY BURST CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2011, 195, 2.	3.0	197
38	BRIGHT α MERGER-NOVA FROM THE REMNANT OF A NEUTRON STAR BINARY MERGER: A SIGNATURE OF A NEWLY BORN, MASSIVE, MILLISECOND MAGNETAR. <i>Astrophysical Journal Letters</i> , 2013, 776, L40.	3.0	192
39	CONSTRAINING GAMMA-RAY BURST INITIAL LORENTZ FACTOR WITH THE AFTERGLOW ONSET FEATURE AND DISCOVERY OF A TIGHT Γ^2 - E^3 CORRELATION. <i>Astrophysical Journal</i> , 2010, 725, 2209-2224.	1.6	191
40	THE THIRD FERMI GBM GAMMA-RAY BURST CATALOG: THE FIRST SIX YEARS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 223, 28.	3.0	191
41	High-Energy Spectral Components in Gamma-Ray Burst Afterglows. <i>Astrophysical Journal</i> , 2001, 559, 110-122.	1.6	189
42	THE AFTERGLOWS OF <i>SWIFT</i> -ERA GAMMA-RAY BURSTS. II. TYPE I GRB VERSUS TYPE II GRB OPTICAL AFTERGLOWS. <i>Astrophysical Journal</i> , 2011, 734, 96.	1.6	187
43	Testing the Curvature Effect and Internal Origin of Gamma-Ray Burst Prompt Emissions and X-Ray Flares with SwiftData. <i>Astrophysical Journal</i> , 2006, 646, 351-357.	1.6	184
44	The unusual X-ray emission of the short Swift GRB 090515: evidence for the formation of a magnetar?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 531-540.	1.6	184
45	The physical mechanisms of fast radio bursts. <i>Nature</i> , 2020, 587, 45-53.	13.7	183
46	Making a Short Gamma-Ray Burst from a Long One: Implications for the Nature of GRB 060614. <i>Astrophysical Journal</i> , 2007, 655, L25-L28.	1.6	181
47	COSMOLOGICAL IMPLICATIONS OF FAST RADIO BURST/GAMMA-RAY BURST ASSOCIATIONS. <i>Astrophysical Journal Letters</i> , 2014, 783, L35.	3.0	178
48	GRB 080913 AT REDSHIFT 6.7. <i>Astrophysical Journal</i> , 2009, 693, 1610-1620.	1.6	175
49	A complete reference of the analytical synchrotron external shock models of gamma-ray bursts. <i>New Astronomy Reviews</i> , 2013, 57, 141-190.	5.2	175
50	THE MILLISECOND MAGNETAR CENTRAL ENGINE IN SHORT GRBs. <i>Astrophysical Journal</i> , 2015, 805, 89.	1.6	173
51	A Comprehensive Analysis of <i>Swift</i> XRT Data. III. Jet Break Candidates in X-Ray and Optical Afterglow Light Curves. <i>Astrophysical Journal</i> , 2008, 675, 528-552.	1.6	171
52	MERGERS OF CHARGED BLACK HOLES: GRAVITATIONAL-WAVE EVENTS, SHORT GAMMA-RAY BURSTS, AND FAST RADIO BURSTS. <i>Astrophysical Journal Letters</i> , 2016, 827, L31.	3.0	160
53	Full Polar Cap Cascade Scenario: Gamma-Ray and X-Ray Luminosities from Spin-Powered Pulsars. <i>Astrophysical Journal</i> , 2000, 532, 1150-1171.	1.6	155
54	EARLY X-RAY AND OPTICAL AFTERGLOW OF GRAVITATIONAL WAVE BURSTS FROM MERGERS OF BINARY NEUTRON STARS. <i>Astrophysical Journal Letters</i> , 2013, 763, L22.	3.0	153

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55	The late time evolution of gamma-ray bursts: ending hyperaccretion and producing flares. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 370, L61-L65.	1.2	152
56	HXMT identification of a non-thermal X-ray burst from SGR J1935+2154 and with FRB 200428. Nature Astronomy, 2021, 5, 378-384.	4.2	152
57	EVIDENCE OF AN INITIALLY MAGNETICALLY DOMINATED OUTFLOW IN GRB 080916C. Astrophysical Journal, 2009, 700, L65-L68.	1.6	147
58	The Giant X-ray Flare of GRB 050502B: Evidence for Late-Time Internal Engine Activity. Astrophysical Journal, 2006, 641, 1010-1017.	1.6	145
59	The First <i>Swift</i> BAT Gamma-ray Burst Catalog. Astrophysical Journal, Supplement Series, 2008, 175, 179-190.	3.0	143
60	X-ray-rich Gamma-ray Bursts, Photospheres, and Variability. Astrophysical Journal, 2002, 578, 812-817.	1.6	141
61	Variabilities of Gamma-ray Burst Afterglows: Long-acting Engine, Anisotropic Jet, or Many Fluctuating Regions?. Astrophysical Journal, 2005, 631, 429-434.	1.6	136
62	A TEST OF THE MILLISECOND MAGNETAR CENTRAL ENGINE MODEL OF GAMMA-RAY BURSTS WITH <i>SWIFT</i> DATA. Astrophysical Journal, 2014, 785, 74.	1.6	136
63	A Comprehensive Analysis of <i>Swift</i> XRT Data. I. Apparent Spectral Evolution of Gamma-ray Burst X-ray Tails. Astrophysical Journal, 2007, 666, 1002-1011.	1.6	134
64	A unified picture of Galactic and cosmological fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 498, 1397-1405.	1.6	134
65	Radio Pulsar Death Line Revisited: Is PSR J2144+3933 Anomalous?. Astrophysical Journal, 2000, 531, L135-L138.	1.6	133
66	Fast-cooling synchrotron radiation in a decaying magnetic field and $\hat{\nu}$ -ray burst emission mechanism. Nature Physics, 2014, 10, 351-356.	6.5	133
67	The THESEUS space mission concept: science case, design and expected performances. Advances in Space Research, 2018, 62, 191-244.	1.2	133
68	Jet Breaks in Short Gamma-ray Bursts. II. The Collimated Afterglow of GRB 051221A. Astrophysical Journal, 2006, 653, 468-473.	1.6	131
69	A bimodal burst energy distribution of a repeating fast radio burst source. Nature, 2021, 598, 267-271.	13.7	129
70	Swift Observations of the X-ray-rich Bright GRB 050315. Astrophysical Journal, 2006, 638, 920-929.	1.6	128
71	Gamma-ray Bursts with Continuous Energy Injection and Their Afterglow Signature. Astrophysical Journal, 2002, 566, 712-722.	1.6	126
72	Can X-ray emission powered by a spinning-down magnetar explain some gamma-ray burst light-curve features?. Monthly Notices of the Royal Astronomical Society, 2010, 402, 705-712.	1.6	126

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73	A peculiar low-luminosity short gamma-ray burst from a double neutron star merger progenitor. <i>Nature Communications</i> , 2018, 9, 447.	5.8	125
74	Quasi-universal Gaussian Jets: A Unified Picture for Gamma-Ray Bursts and X-Ray Flashes. <i>Astrophysical Journal</i> , 2004, 601, L119-L122.	1.6	124
75	STATISTICAL PROPERTIES OF GAMMA-RAY BURST POLARIZATION. <i>Astrophysical Journal</i> , 2009, 698, 1042-1053.	1.6	123
76	A long-lived neutron star merger remnant in GW170817: constraints and clues from X-ray observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1912-1921.	1.6	121
77	A “Cosmic Comb” Model of Fast Radio Bursts. <i>Astrophysical Journal Letters</i> , 2017, 836, L32.	3.0	119
78	EXTRAGALACTIC HIGH-ENERGY TRANSIENTS: EVENT RATE DENSITIES AND LUMINOSITY FUNCTIONS. <i>Astrophysical Journal</i> , 2015, 812, 33.	1.6	118
79	Constraints on binary neutron star merger product from short GRB observations. <i>Physical Review D</i> , 2016, 93, .	1.6	118
80	GRB O21004: Reverse Shock Emission. <i>Astrophysical Journal</i> , 2003, 582, L75-L78.	1.6	116
81	A COMPREHENSIVE ANALYSIS OF FERMI GAMMA-RAY BURST DATA. II. E_p EVOLUTION PATTERNS AND IMPLICATIONS FOR THE OBSERVED SPECTRUM-LUMINOSITY RELATIONS. <i>Astrophysical Journal</i> , 2012, 756, 112.	1.6	116
82	HOW BAD OR GOOD ARE THE EXTERNAL FORWARD SHOCK AFTERGLOW MODELS OF GAMMA-RAY BURSTS?. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 9.	3.0	115
83	Bunching Coherent Curvature Radiation in Three-dimensional Magnetic Field Geometry: Application to Pulsars and Fast Radio Bursts. <i>Astrophysical Journal</i> , 2018, 868, 31.	1.6	114
84	Efficient genome-wide mutagenesis of zebrafish genes by retroviral insertions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12428-12433.	3.3	113
85	EFFICIENT PRODUCTION OF HIGH-ENERGY NONTHERMAL PARTICLES DURING MAGNETIC RECONNECTION IN A MAGNETICALLY DOMINATED ION-ELECTRON PLASMA. <i>Astrophysical Journal Letters</i> , 2016, 818, L9.	3.0	113
86	HYPERACCRETING BLACK HOLE AS GAMMA-RAY BURST CENTRAL ENGINE. I. BARYON LOADING IN GAMMA-RAY BURST JETS. <i>Astrophysical Journal</i> , 2013, 765, 125.	1.6	110
87	Rapidly evolving transients in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 894-917.	1.6	109
88	Diverse polarization angle swings from a repeating fast radio burst source. <i>Nature</i> , 2020, 586, 693-696.	13.7	109
89	Transition from fireball to Poynting-flux-dominated outflow in the three-episode GRB 160625B. <i>Nature Astronomy</i> , 2018, 2, 69-75.	4.2	107
90	GRB 130427A: A Nearby Ordinary Monster. <i>Science</i> , 2014, 343, 48-51.	6.0	105

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91	GeV and Higher Energy Photon Interactions in Gamma-Ray Burst Fireballs and Surroundings. <i>Astrophysical Journal</i> , 2004, 613, 1072-1078.	1.6	103
92	Fast Radio Burst Energetics and Detectability from High Redshifts. <i>Astrophysical Journal Letters</i> , 2018, 867, L21.	3.0	101
93	No pulsed radio emission during a bursting phase of a Galactic magnetar. <i>Nature</i> , 2020, 587, 63-65.	13.7	101
94	Correlations of Prompt and Afterglow Emission in Swift Long and Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2008, 689, 1161-1172.	1.6	100
95	Open questions in GRB physics. <i>Comptes Rendus Physique</i> , 2011, 12, 206-225.	0.3	100
96	A COMPREHENSIVE STUDY OF GAMMA-RAY BURST OPTICAL EMISSION. I. FLARES AND EARLY SHALLOW-DECAY COMPONENT. <i>Astrophysical Journal</i> , 2012, 758, 27.	1.6	99
97	BRIGHT BROADBAND AFTERGLOWS OF GRAVITATIONAL WAVE BURSTS FROM MERGERS OF BINARY NEUTRON STARS. <i>Astrophysical Journal</i> , 2013, 771, 86.	1.6	99
98	A repeating fast radio burst associated with a persistent radio source. <i>Nature</i> , 2022, 606, 873-877.	13.7	98
99	A Binary Comb Model for Periodic Fast Radio Bursts. <i>Astrophysical Journal Letters</i> , 2020, 893, L26.	3.0	97
100	Jet Breaks in Short Gamma-Ray Bursts. I. The Uncollimated Afterglow of GRB 050724. <i>Astrophysical Journal</i> , 2006, 653, 462-467.	1.6	96
101	GRB 061121: Broadband Spectral Evolution through the Prompt and Afterglow Phases of a Bright Burst. <i>Astrophysical Journal</i> , 2007, 663, 1125-1138.	1.6	96
102	LORENTZ-FACTOR ² ISOTROPIC-LUMINOSITY/ENERGY CORRELATIONS OF GAMMA-RAY BURSTS AND THEIR INTERPRETATION. <i>Astrophysical Journal</i> , 2012, 751, 49.	1.6	96
103	On the normalized FRB luminosity function. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2320-2337.	1.6	96
104	Swift Panchromatic Observations of the Bright Gamma-Ray Burst GRB 050525a. <i>Astrophysical Journal</i> , 2006, 637, 901-913.	1.6	95
105	FAST RADIO BURST/GAMMA-RAY BURST COSMOGRAPHY. <i>Astrophysical Journal</i> , 2014, 788, 189.	1.6	95
106	Low-luminosity gamma-ray bursts as a distinct GRB population: a firmer case from multiple criteria constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 91-103.	1.6	94
107	Long-lived remnants from binary neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3670-3682.	1.6	94
108	Swift observations of GRB 060614: an anomalous burst with a well behaved afterglow. <i>Astronomy and Astrophysics</i> , 2007, 470, 105-118.	2.1	94

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109	PSR 0943+10: A Bare Strange Star?. <i>Astrophysical Journal</i> , 1999, 522, L109-L112.	1.6	93
110	Swift and XMM-Newton Observations of the Extraordinary Gamma-Ray Burst 060729: More than 125 Days of X-Ray Afterglow. <i>Astrophysical Journal</i> , 2007, 662, 443-458.	1.6	93
111	HOW LONG DOES A BURST BURST?. <i>Astrophysical Journal</i> , 2014, 787, 66.	1.6	93
112	Neutrino-dominated accretion flows as the central engine of gamma-ray bursts. <i>New Astronomy Reviews</i> , 2017, 79, 1-25.	5.2	93
113	On the Kinetic Energy and Radiative Efficiency of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2004, 613, 477-483.	1.6	92
114	WEIBEL INSTABILITY AND ASSOCIATED STRONG FIELDS IN A FULLY THREE-DIMENSIONAL SIMULATION OF A RELATIVISTIC SHOCK. <i>Astrophysical Journal</i> , 2009, 698, L10-L13.	1.6	92
115	THE PARALLAX OF W43: A MASSIVE STAR-FORMING COMPLEX NEAR THE GALACTIC BAR. <i>Astrophysical Journal</i> , 2014, 781, 89.	1.6	92
116	X-ray flare in XRF 050406: evidence for prolonged engine activity. <i>Astronomy and Astrophysics</i> , 2006, 450, 59-68.	2.1	91
117	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. <i>Astronomical Journal</i> , 2022, 163, 69.	1.9	91
118	Early Optical Afterglows from Wind-Type Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2003, 597, 455-458.	1.6	90
119	A COMPREHENSIVE STUDY OF GAMMA-RAY BURST OPTICAL EMISSION. II. AFTERGLOW ONSET AND LATE RE-BRIGHTENING COMPONENTS. <i>Astrophysical Journal</i> , 2013, 774, 13.	1.6	90
120	Discovery of an Afterglow Extension of the Prompt Phase of Two Gamma-Ray Bursts Observed by Swift. <i>Astrophysical Journal</i> , 2005, 635, L133-L136.	1.6	89
121	GRB 021004: A Massive Progenitor Star Surrounded by Shells. <i>Astrophysical Journal</i> , 2003, 588, 387-399.	1.6	87
122	SYNCHROTRON ORIGIN OF THE TYPICAL GRB BAND FUNCTION—A CASE STUDY OF GRB 130606B. <i>Astrophysical Journal</i> , 2016, 816, 72.	1.6	86
123	Strongly lensed repeating fast radio bursts as precision probes of the universe. <i>Nature Communications</i> , 2018, 9, 3833.	5.8	86
124	Peta-eV electron volt gamma-ray emission from the Crab Nebula. <i>Science</i> , 2021, 373, 425-430.	6.0	86
125	ELECTRON/POSITRON EXCESSES IN THE COSMIC RAY SPECTRUM AND POSSIBLE INTERPRETATIONS. <i>International Journal of Modern Physics D</i> , 2010, 19, 2011-2058.	0.9	85
126	The connection between thermal and non-thermal emission in gamma-ray bursts: general considerations and GRB 090902B as a case study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 468-482.	1.6	85

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127	Regimes of Pulsar Pair Formation and Particle Energetics. <i>Astrophysical Journal</i> , 2002, 576, 366-375.	1.6	85
128	GRB 080503 LATE AFTERGLOW RE-BRIGHTENING: SIGNATURE OF A MAGNETAR-POWERED MERGER-NOVA. <i>Astrophysical Journal</i> , 2015, 807, 163.	1.6	84
129	The Allowed Parameter Space of a Long-lived Neutron Star as the Merger Remnant of GW170817. <i>Astrophysical Journal</i> , 2018, 860, 57.	1.6	84
130	The X-ray afterglow of the short gamma ray burst 050724. <i>Astronomy and Astrophysics</i> , 2006, 454, 113-117.	2.1	83
131	<i>FERMI</i> AND <i>SWIFT</i> GAMMA-RAY BURST AFTERGLOW POPULATION STUDIES. <i>Astrophysical Journal</i> , 2011, 738, 138.	1.6	82
132	A SUPRAMASSIVE MAGNETAR CENTRAL ENGINE FOR GRB 130603B. <i>Astrophysical Journal Letters</i> , 2013, 779, L25.	3.0	82
133	A COMPREHENSIVE ANALYSIS OF <i>FERMI</i> GAMMA-RAY BURST DATA. III. ENERGY-DEPENDENT T_{90} DISTRIBUTIONS OF GBM GRBs AND INSTRUMENTAL SELECTION EFFECT ON DURATION CLASSIFICATION. <i>Astrophysical Journal</i> , 2013, 763, 15.	1.6	82
134	GAMMA-RAY BURSTS ARE OBSERVED OFF-AXIS. <i>Astrophysical Journal</i> , 2015, 799, 3.	1.6	82
135	On the FRB luminosity function $\hat{\rho}$. II. Event rate density. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 665-679.	1.6	81
136	Neutrino spectra from low and high luminosity populations of gamma ray bursts. <i>Astroparticle Physics</i> , 2007, 27, 386-391.	1.9	80
137	Millisecond pulsar interpretation of the Galactic center gamma-ray excess. <i>Journal of High Energy Astrophysics</i> , 2014, 3-4, 1-8.	2.4	80
138	The <i>Fermi</i> GBM gamma-ray burst time-resolved spectral catalog: brightest bursts in the first four years. <i>Astronomy and Astrophysics</i> , 2016, 588, A135.	2.1	80
139	The Onset of Gamma-Ray Burst Afterglow. <i>Astrophysical Journal</i> , 2007, 655, 973-979.	1.6	79
140	A magnetar-powered X-ray transient as the aftermath of a binary neutron-star merger. <i>Nature</i> , 2019, 568, 198-201.	13.7	79
141	A thousand days after the merger: Continued X-ray emission from GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5643-5651.	1.6	79
142	LOW ENERGY SPECTRAL INDEX AND E_p EVOLUTION OF QUASI-THERMAL PHOTOSPHERE EMISSION OF GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2014, 785, 112.	1.6	78
143	PHOTOSPHERE EMISSION FROM A HYBRID RELATIVISTIC OUTFLOW WITH ARBITRARY DIMENSIONLESS ENTROPY AND MAGNETIZATION IN GRBs. <i>Astrophysical Journal</i> , 2015, 801, 103.	1.6	78
144	The afterglow and kilonova of the short GRB 160821B. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	78

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145	Linearly Polarized X-Ray Flares following Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2005, 635, L129-L132.	1.6	77
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